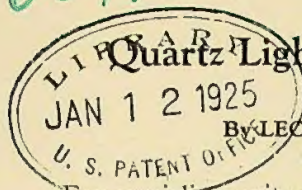


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## Quartz Light Therapy in Diseases of the Ear

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Ear-specialists quite generally admit that Ultra Violet Rays, as well as the X-ray and frequently Electro-Therapy, are important adjuvants in the diagnosis, prognosis and consequent treatment of diseases of the ear.

The author, as an Ultra Violet Ray specialist, frequently has had cases coming in this category referred to him for treatment.

Included therein have been cases where partial deafness appeared as a symptom. Suppurating middle ear with poor prognosis, as well as operated patients, have all been seen and treated.

Let us summarize typical happenings: A patient is suspected of developing a mastoid abscess. Operative procedure, while anticipated, is not immediately resorted to. It is, therefore, entirely feasible to use our method to build up resistance and alleviate pain, both of which are certain to accrue if the Alpine Sun and Kromayer lamps are properly made use of at this time. Infection may be checked so that the necessity for operation is overcome.

Every ear surgeon knows of many cases where the mastoid process had been operated, leaving a sluggish non-healing wound. The patient is run down, worn out perhaps by long continued sepsis, and pain--in fact, altogether discouraged with daily routine of dressings which seem never to end. At this point comes a suggestion from some source that Quartz Lamps be employed. The picture now undergoes a complete change. Very shortly sleep is more natural, toxicity decreases, appetite increases, and these results bring renewed hope to patient and friends alike.

Here, our technique is arranged so as to conduct the Ultra Violet Rays to all parts of the wound, and the necessity for first or second degree reactions is determined, and a course of

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general treatments prescribed dependent upon general bodily vitality indexes. Evidences of the benefit derived are indicated by a more watery discharge, generally becoming more profuse after a few treatments, while the appearance of the wound changes from its grey, sluggish, septic state to one of a more healthy nature and the prognosis is then materially altered.

A mastoid abscess is osteomyelitis of the mastoid cells. The entire body is damaged by the absorption of septic materials from the necrotic bone. Calcium metabolism is especially lowered. Increased calcium metabolism aids in curing osteomyelitis by producing new bone to wall off and, later, replace the diseased bone. The fact that quartz light therapy cures rickets, tetany, spasmophilia and is the best adjuvant in the treatment of tubercular and other forms of osteomyelitis is now well known by physicians who read the modern medical literature. These beneficial results are partially brought about by the quartz light stimulation of calcium and phosphorus metabolism. This stimulation is further increased by spraying the patient with a three per cent solution of calcium chloride during the treatment.

The type of applicators used, postures assumed for the proper manipulation of same, at times supplemented by some irrigating system to be employed, are all necessarily determined by individual factors and environment present or lacking, in each case.

It is important to note that probably all cases of this type are benefited, some being cured, and manifestly a medium capable of approximating these results in the hands of any intelligent physician is sufficiently valuable to be made universally serviceable.